

Program of Instruction

Course Syllabus

Course Title: Structural Collapse Rescue Technician: Metal Cutting and Lift Outs Refresher

Course Duration: 8 hours

Program: Special Operations Training Program

Course Prerequisites: Structural Collapse Technician

Course Description: Special Operations Training Program Refresher Courses provide hands on training at the technician level. Participants will have the opportunity to refresh critical skills through classroom review, drills and/or scenario exercises. This course pertains to building collapse rescues involving injured or entrapped persons. The class covers the federal and state regulations, collapse mechanisms, use of specialized equipment for technical search, building recon, rescue shoring and tool maintenance.

Resources Needed: Each MABAS/CART team represented will need to plan to utilize their equipment.

For the Recon and Technical Search Classroom Review: IFSI will provide the PowerPoint presentation. The requesting Division will provide a computer and projector.

For the Tool Maintenance: The requesting Division(s) will provide their saws, power units and hydraulic hoses.

Module - Metal Cutting: The steel needed to cut must be furnished by the requesting Division(s).

Module - Lift Out and Anchors: The requesting Division(s) will furnish the material and anchors needed to accomplish the demonstrated tasks.

Course Requirements and/or Recommendations: These can be divided into three categories: those completed prior to arriving in class (Pre-Course Work), those completed during class, such as homework assignments and quizzes (Course Work), and requirements completed after class but prior to receiving a certificate of completion. (Post-Course Work)

Summary of Directions

Pre-Course Work: None

Course Work: Attend and participate in all class activities.

Post-Course Work: None

Course Policies:

Safety Policy: Students shall understand and follow all instructions pertaining to operational safety, as stated by instructors or as written in course materials. Instructors and students shall be mindful of safety at all times. Conduct judged to be unsafe shall be grounds for dismissal from the course.

Academic Integrity Policy: IFSI has the responsibility for maintaining academic integrity so as to protect the quality of the education provided through its courses, and to protect those who depend upon our integrity. It is the responsibility of the student to refrain from infractions of academic integrity, from conduct that may lead to suspicion of such infractions, and from conduct that aids others in such infractions. Any violation of the code of conduct is grounds for immediate dismissal from the course.

American Disabilities Act: As guaranteed in the Vocational Rehabilitation Act and in the American Disabilities Act, if any student needs special accommodations they are to notify their instructor and provide documentation as soon as possible so arrangements can be made to provide for the student's needs

Course Content:

Module: Metal Cutting and Lift Outs Refresher

1. Review of forces, collapse mechanisms, safety requirements, review updates to the current FOG/SOG manuals.
2. Tool care and maintenance (saws, power units and hydraulic hoses).
3. Recon and technical search. Review of equipment and maintenance. Estimating weight of materials. Perform a recon operation.
4. Metal cutting. Review operation, maintenance and storage of the torches available in the tool cache. Review operation and maintenance of other metal cutting tools.
5. Lift out and anchors. Review when to conduct a lift out and the proper sequence of a lift out. Perform lift out. Review anchor concepts and procedures for various anchors. Perform various types of anchoring utilizing the anchors found in the tool cache.

Class Schedule

Orientation	30 minutes
Module: Classroom review (PowerPoint)	1 hour 30 minutes
Drill: Tool Maintenance	1 hour 30 minutes
Drill: Recon and Technical Search	1 hour 30 minutes
LUNCH	
1st Module: Metal cutting	1 hour 30 minutes
2nd Module: Lift out and anchors	1 hour 30 minutes